

MS4 SWPPP Application for Reauthorization

for the NPDES/SDS General Small Municipal Separate
Storm Sewer System (MS4) Permit MNR040000
reissued with an effective date of August 1, 2013
Stormwater Pollution Prevention Program (SWPPP) Document

Doc Type: Permit Application

Instructions: This application is for authorization to discharge stormwater associated with Municipal Separate Storm Sewer Systems (MS4s) under the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit Program. **No fee** is required with the submittal of this application. Please refer to "Example" for detailed instructions found on the Minnesota Pollution Control Agency (MPCA) MS4 website at <http://www.pca.state.mn.us/ms4>.

Submittal: This MS4 SWPPP Application for Reauthorization form must be submitted electronically via e-mail to the MPCA at ms4permitprogram.pca@state.mn.us from the person that is duly authorized to certify this form. All questions with an asterisk (*) are required fields. All applications will be returned if required fields are not completed.

Questions: Contact Claudia Hochstein at 651-757-2881 or claudia.hochstein@state.mn.us, Dan Miller at 651-757-2246 or daniel.miller@state.mn.us, or call toll-free at 800-657-3864.

General Contact Information (*Required fields)

MS4 Owner (with ownership or operational responsibility, or control of the MS4)

*MS4 permittee name: City of Orono *County: Hennepin
(city, county, municipality, government agency or other entity)
*Mailing address: 2750 Kelley Parkway
*City: Orono *State: MN *Zip code: 55356
*Phone (including area code): (952) 249-4661 *E-mail: jstruve@ci.orono.mn.us

MS4 General contact (with Stormwater Pollution Prevention Program [SWPPP] implementation responsibility)

*Last name: Struve *First name: Jesse
(department head, MS4 coordinator, consultant, etc.)
*Title: Director of Public Works/City Engineer
*Mailing address: 2750 Kelley Parkway
*City: Orono *State: MN *Zip code: 55356
*Phone (including area code): (952) 249-4661 *E-mail: jstruve@ci.orono.mn.us

Preparer information (complete if SWPPP application is prepared by a party other than MS4 General contact)

Last name: Bean First name: Robert
(department head, MS4 coordinator, consultant, etc.)
Title: Water Resources Engineer
Mailing address: 2638 Shadow Lane, Suite 200
City: Chaska State: MN Zip code: 55318
Phone (including area code): (612) 756-3184 E-mail: bobbe@bolton-menk.com

Verification

1. I seek to continue discharging stormwater associated with a small MS4 after the effective date of this Permit, and shall submit this MS4 SWPPP Application for Reauthorization form, in accordance with the schedule in Appendix A, Table 1, with the SWPPP document completed in accordance with the Permit (Part II.D.). ☒ Yes
2. I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. ☒ Yes

Certification (All fields are required)

- ☒ Yes - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.

This certification is required by Minn. Stat. §§ 7001.0070 and 7001.0540. The authorized person with overall, MS4 legal responsibility must certify the application (principal executive officer or a ranking elected official).

By typing my name in the following box, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing my application.

Name: Jesse Struve
(This document has been electronically signed)

Title: Director of Public Works/City Engineer Date (mm/dd/yyyy): 11/25/13

Mailing address: 2750 Kelley Parkway

City: Orono State: MN Zip code: 55356

Phone (including area code): (952) 249-4661 E-mail: jstruve@ci.orono.mn.us

Note: The application will not be
processed without certification.

Stormwater Pollution Prevention Program Document

I. Partnerships: (Part II.D.1)

- A. List the **regulated small MS4(s)** with which you have established a partnership in order to satisfy one or more requirements of this Permit. Indicate which Minimum Control Measure (MCM) requirements or other program components that each partnership helps to accomplish (List all that apply). Check the box below if you currently have no established partnerships with other regulated MS4s. If you have more than five partnerships, hit the tab key after the last line to generate a new row.

☐ No partnerships with regulated small MS4s

Name and description of partnership	MCM/Other permit requirements involved
Minnehaha Creek Watershed District Provides review, regulation, and inspection for Construction Site Stormwater Runoff Control and Post-construction Stormwater Management. Partner to provide educational materials and engage public with various programs. Partner to inspect for illicit discharges.	MCM 1-5

- B. If you have additional information that you would like to communicate about your partnerships with other regulated small MS4(s), provide it in the space below, or include an attachment to the SWPPP Document, with the following file naming convention: *MS4NameHere_Partnerships*.

II. Description of Regulatory Mechanisms: (Part II.D.2)

Illicit discharges

- A. Do you have a regulatory mechanism(s) that effectively prohibits non-stormwater discharges into your small MS4, except those non-stormwater discharges authorized under the Permit (Part III.D.3.b.)? ☒ Yes ☐ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☐ Contract language
☐ Policy/Standards ☐ Permits
☐ Rules
☐ Other, explain: _____

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Orono, Minnesota, Code of Ordinances>>Title II - UTILITIES>>Chapter 14 - UTILITIES>>ARTICLE III. - CITY UTILITIES>>DIVISION 5. - STORM SEWER SYSTEM>>Subdivision V. Stormwater Illicit Discharge and Illicit Connection

(Ord. No. 56 3rd series, § 2, 4-13-2009) Sec. 14-301 - 310

Direct link:

<http://library.municode.com/index.aspx?clientId=13094&stateId=23&stateName=Minnesota>

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_IDDEreg*.

2. If **no**:

Describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

Construction site stormwater runoff control

A. Do you have a regulatory mechanism(s) that establishes requirements for erosion and sediment controls and waste controls? ☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

- ☒ Ordinance ☐ Contract language
☐ Policy/Standards ☐ Permits
☐ Rules
☒ Other, explain: Minnehaha Creek Watershed District - Erosion Control Rule

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

City: Orono, Minnesota, Code of Ordinances>>Title VI - LAND USE>>Chapter 79 CONSTRUCTION SITE RUNOFF CONTROL

(Ord. No. 55 3rd series, § 1, 4-13-2009; Ord. No. 69 3rd series, § 1, 4-12-2010) Sec 79-1 - 14

MCWD: Erosion Control Rule

Direct link:

City: <http://library.municode.com/index.aspx?clientId=13094&stateId=23&stateName=Minnesota>

MCWD:

<http://www.minnehahacreek.org/sites/minnehahacreek.org/files/pdfs/regulatory/Erosion%20Control%20Rule.pdf>

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_CSWreg*.

B. Is your regulatory mechanism at least as stringent as the MPCA general permit to Discharge Stormwater Associated with Construction Activity (as of the effective date of the MS4 Permit)? ☐ Yes ☒ No

If you answered **yes** to the above question, proceed to C.

If you answered **no** to either of the above permit requirements listed in A. or B., describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

Within 12 months from the date permit coverage is extended, the City will revise its ordinances to state that applicants will have to meet the requirements of MCWD's Erosion Control Rule.

C. Answer **yes** or **no** to indicate whether your regulatory mechanism(s) requires owners and operators of construction activity to develop site plans that incorporate the following erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)), and as listed below:

- | | |
|--|---|
| 1. Best Management Practices (BMPs) to minimize erosion. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. BMPs to minimize the discharge of sediment and other pollutants. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. BMPs for dewatering activities. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Site inspections and records of rainfall events | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. BMP maintenance | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Management of solid and hazardous wastes on each project site. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Final stabilization upon the completion of construction activity, including the use of perennial vegetative cover on all exposed soils or other equivalent means. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Criteria for the use of temporary sediment basins. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

Post-construction stormwater management

A. Do you have a regulatory mechanism(s) to address post-construction stormwater management activities?

☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☐ Ordinance ☐ Contract language

☐ Policy/Standards ☐ Permits

☐ Rules

☒ Other, explain: Minnehaha Creek Watershed District - Stormwater Management Rule

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

MCWD: Stormwater Management Rule

Direct link:

<http://www.minnehahacreek.org/sites/minnehahacreek.org/files/pdfs/regulatory/Stormwater%20Management%20Rule.pdf>

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention:
MS4NameHere_PostCSWreg.

B. Answer **yes** or **no** below to indicate whether you have a regulatory mechanism(s) in place that meets the following requirements as described in the Permit (Part III.D.5.a.):

1. **Site plan review:** Requirements that owners and/or operators of construction activity submit site plans with post-construction stormwater management BMPs to the permittee for review and approval, prior to start of construction activity. ☒ Yes ☐ No

2. **Conditions for post construction stormwater management:** Requires the use of any combination of BMPs, with highest preference given to Green Infrastructure techniques and practices (e.g., infiltration, evapotranspiration, reuse/harvesting, conservation design, urban forestry, green roofs, etc.), necessary to meet the following conditions on the site of a construction activity to the Maximum Extent Practicable (MEP):

a. For new development projects – no net increase from pre-project conditions (on an annual average basis) of: ☒ Yes ☐ No

1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).

2) Stormwater discharges of Total Suspended Solids (TSS).

3) Stormwater discharges of Total Phosphorus (TP).

b. For redevelopment projects – a net reduction from pre-project conditions (on an annual average basis) of: ☒ Yes ☐ No

1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).

2) Stormwater discharges of TSS.

3) Stormwater discharges of TP.

3. **Stormwater management limitations and exceptions:**

a. Limitations

1) Prohibit the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) when the infiltration structural stormwater BMP will receive discharges from, or be constructed in areas: ☒ Yes ☐ No

a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA.

b) Where vehicle fueling and maintenance occur.

c) With less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.

d) Where high levels of contaminants in soil or groundwater will be mobilized by the infiltrating stormwater.

- 2) Restrict the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), without higher engineering review, sufficient to provide a functioning treatment system and prevent adverse impacts to groundwater, when the infiltration device will be constructed in areas:
- a) With predominately Hydrologic Soil Group D (clay) soils.
 - b) Within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features.
 - c) Within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13.
 - d) Where soil infiltration rates are more than 8.3 inches per hour.
- ☒ Yes ☐ No
- 3) For linear projects where the lack of right-of-way precludes the installation of volume control practices that meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), the permittee's regulatory mechanism(s) may allow exceptions as described in the Permit (Part III.D.5.a(3)(b)). The permittee's regulatory mechanism(s) shall ensure that a reasonable attempt be made to obtain right-of-way during the project planning process.
- ☒ Yes ☐ No
4. **Mitigation provisions:** The permittee's regulatory mechanism(s) shall ensure that any stormwater discharges of TSS and/or TP not addressed on the site of the original construction activity are addressed through mitigation and, at a minimum, shall ensure the following requirements are met:
- a. Mitigation project areas are selected in the following order of preference:
 - 1) Locations that yield benefits to the same receiving water that receives runoff from the original construction activity.
 - 2) Locations within the same Minnesota Department of Natural Resource (DNR) catchment area as the original construction activity.
 - 3) Locations in the next adjacent DNR catchment area up-stream
 - 4) Locations anywhere within the permittee's jurisdiction.
 - b. Mitigation projects must involve the creation of new structural stormwater BMPs or the retrofit of existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP.
 - c. Routine maintenance of structural stormwater BMPs already required by this permit cannot be used to meet mitigation requirements of this part.
 - d. Mitigation projects shall be completed within 24 months after the start of the original construction activity.
 - e. The permittee shall determine, and document, who will be responsible for long-term maintenance on all mitigation projects of this part.
 - f. If the permittee receives payment from the owner and/or operator of a construction activity for mitigation purposes in lieu of the owner or operator of that construction activity meeting the conditions for post-construction stormwater management in Part III.D.5.a(2), the permittee shall apply any such payment received to a public stormwater project, and all projects must be in compliance with Part III.D.5.a(4)(a)-(e).
- ☒ Yes ☐ No
5. **Long-term maintenance of structural stormwater BMPs:** The permittee's regulatory mechanism(s) shall provide for the establishment of legal mechanisms between the permittee and owners or operators responsible for the long-term maintenance of structural stormwater BMPs not owned or operated by the permittee, that have been implemented to meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)). This only includes structural stormwater BMPs constructed after the effective date of this permit and that are directly connected to the permittee's MS4, and that are in the permittee's jurisdiction. The legal mechanism shall include provisions that, at a minimum:
- a. Allow the permittee to conduct inspections of structural stormwater BMPs not owned or operated by the permittee, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the permittee determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance.
 - b. Include conditions that are designed to preserve the permittee's right to ensure maintenance responsibility, for structural stormwater BMPs not owned or operated by the permittee, when those responsibilities are legally transferred to another party.
 - c. Include conditions that are designed to protect/preserve structural stormwater BMPs and site features that are implemented to comply with the Permit (Part III.D.5.a(2)). If site configurations or structural stormwater BMPs change, causing decreased structural stormwater BMP effectiveness, new or improved structural stormwater BMPs must be implemented to ensure the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) continue to be met.
- ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within twelve (12) months of the date permit coverage is extended, these permit requirements are met:

Within 12 months from the date permit coverage is extended, the City will revise its ordinances to state that applicants will have to meet the requirements of MCWD's Stormwater Management Rule.

III. Enforcement Response Procedures (ERPs): (Part II.D.3)

A. Do you have existing ERPs that satisfy the requirements of the Permit (Part III.B.)? ☐ Yes ☒ No

1. If **yes**, attach them to this form as an electronic document, with the following file naming convention: *MS4NameHere_ERPs*.
2. If **no**, describe the tasks and corresponding schedules that will be taken to assure that, with twelve (12) months of the date permit coverage is extended, these permit requirements are met:

Within 12 months from the date permit coverage is extended, Orono will develop written procedures that will satisfy these requirements.

B. Describe your ERPs:

IV. Storm Sewer System Map and Inventory: (Part II.D.4.)

A. Describe how you manage your storm sewer system map and inventory:

The storm sewer map was initially completed in 2008 and is updated annually as development occurs.

B. Answer **yes** or **no** to indicate whether your storm sewer system map addresses the following requirements from the Permit (Part III.C.1.a-d), as listed below:

1. The permittee's entire small MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes. ☒ Yes ☐ No
2. Outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinate. ☒ Yes ☐ No
3. Structural stormwater BMPs that are part of the permittee's small MS4. ☒ Yes ☐ No
4. All receiving waters. ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C. Answer **yes** or **no** to indicate whether you have completed the requirements of 2009 Minnesota Session Law, Ch. 172. Sec. 28: with the following inventories, according to the specifications of the Permit (Part III.C.2.a.-b.), including:

1. All ponds within the permittee's jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances. ☒ Yes ☐ No
2. All wetlands and lakes, within the permittee's jurisdiction, that collect stormwater via constructed conveyances. ☒ Yes ☐ No

D. Answer **yes** or **no** to indicate whether you have completed the following information for each feature inventoried.

1. A unique identification (ID) number assigned by the permittee. ☒ Yes ☐ No
2. A geographic coordinate. ☒ Yes ☐ No
3. Type of feature (e.g., pond, wetland, or lake). This may be determined by using best professional judgment. ☒ Yes ☐ No

If you have answered **yes** to all above requirements, and you have already submitted the Pond Inventory Form to the MPCA, then you do not need to resubmit the inventory form below.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA ☒ Yes ☐ No

on the form provided on the MPCA website at: <http://www.pca.state.mn.us/ms4> , according to the specifications of Permit (Part III.C.2.b.(1)-(3)). Attach with the following file naming convention: *MS4NameHere_inventory*.

If you answered **no**, the inventory form must be submitted to the MPCA MS4 Permit Program within 12 months of the date permit coverage is extended.

V. Minimum Control Measures (MCMs) (Part II.D.5)

A. MCM1: Public education and outreach

1. The Permit requires that, within 12 months of the date permit coverage is extended, existing permittees revise their education and outreach program that focuses on illicit discharge recognition and reporting, as well as other specifically selected stormwater-related issue(s) of high priority to the permittee during this permit term. Describe your **current** educational program, including **any high-priority topics included**:

Orono is primarily residential, and therefore, the focus for education is mostly on residential issues. However, no specific high-priority topics have been identified. An annual contribution is made to the Metro Watershed Partner's "Let's Keep It Clean" campaign to provide education throughout the metro area. Stormwater articles are included in the City newsletter, which is distributed in the Spring and Fall. A presentation is given to the City Council annually explaining the specific components of the SWPPP, and a stormwater web page is maintained to provide the public with information regarding stormwater management, pollution prevention, and additional resources.

2. List the categories of BMPs that address your public education and outreach program, including the distribution of educational materials and a program implementation plan. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the U.S. Environmental Protection Agency's (EPA) *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Stormwater Articles in City Newsletter	Circulate a newsletter that includes stormwater articles in the Spring and Fall to approximately 3,174 households and businesses. – twice/year
Presentation to City Council	Present to City Council on components of SWPPP to increase Council awareness of stormwater runoff issues. – annually
Stormwater Education on City Website	Maintain Stormwater Information page with information regarding stormwater management, pollution prevention, and additional resources. Also provide links to current SWPPP, MS4 permit, and application for public viewing. Website link is: http://www.ci.orono.mn.us/index.asp?Type=B_BASIC&SEC={1919DEF8-B348-40E9-B83C-86BF7287321A} . – as necessary
Annual Cleanup Day	Host clean up day at public works facility in which residents can drop off appliances, household cleaners, scrap metal, tires, and electronic items. Materials are either recycled or disposed of in an appropriate manner, which reduces the amount of potential material that is illicitly discharged. – annually in Spring
Bi-annual Leaf and Grass Disposal Program	Host cleanup program at public works facility in which residents can drop of leaf and grass material. This material is then composted by the City and provided to residents at no cost. This program reduces the amount of potential material that is illicitly discharged. - annually
Erosion Control Management Training	Train all City staff on proper application, installation, operation, and maintenance of erosion control devices. – annually
BMP categories to be implemented	Measurable goals and timeframes
Social Media	Post messages or provide links regarding stormwater management and pollution prevention on Facebook and Twitter. – within 12 months of permit coverage being extended
Program Evaluation	Review Education Program for effectiveness and future needs. - annually

3. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Jesse Struve - Director of Public Works/City Engineer

B. MCM2: Public participation and involvement

1. The Permit (Part III.D.2.a.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement a public participation/involvement program to solicit public input on the SWPPP. Describe your current program:

Every year, the City presents and hears comments on the SWPPP at a regular City Council meeting. This is typically done at a meeting in the Spring, and a notice is provided to the public on the City's website and at City Hall.

2. List the categories of BMPs that address your public participation/involvement program, including solicitation and documentation of public input on the SWPPP. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Appropriate Public Notice	Provide a notice of 30 days for the annual public meeting to present accomplishments and discuss the SWPPP. The meeting will run concurrently with a City Council meeting. Notice will be posted in local newspapers, the City website, and at City Hall. - annually
Solicit Public Input	Accept correspondence to report illicit discharges, provide comments regarding the SWPPP, and report construction site runoff violations. All comments received are documented and then routed to appropriate staff. – continuously
Annual Meeting	Host annual meeting to run concurrently with City Council meeting to present accomplishments and discuss the SWPPP. - annually
Online Availability of SWPPP Document	Provide a PDF of the current SWPPP on the City's Stormwater Information page. - update annually.
BMP categories to be implemented	Measurable goals and timeframes

3. Do you have a process for receiving and documenting citizen input? ☒ Yes ☐ No

If you answered **no** to the above permit requirement, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Jesse Struve - Director of Public Works/City Engineer

C. MCM 3: Illicit discharge detection and elimination

1. The Permit (Part III.D.3.) requires that, within 12 months of the date permit coverage is extended, existing permittees revise their current program as necessary, and continue to implement and enforce a program to detect and eliminate illicit discharges into the small MS4. Describe your current program:

An Illicit Discharge Detection and Elimination ordinance was passed during the last permit cycle that prohibits illicit discharges and connections. A Storm Sewer Map has been created that shows the locations of all storm catchbasins, manholes, pipes over 12", structural treatment devices, ponds, and outfalls within the City.

2. Does your Illicit Discharge Detection and Elimination Program meet the following requirements, as found in the Permit (Part III.D.3.c.-g.)?

- a. Incorporation of illicit discharge detection into all inspection and maintenance activities conducted under the Permit (Part III.D.6.e.-f.) Where feasible, illicit discharge inspections shall be conducted during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation). ☒ Yes ☐ No
- b. Detecting and tracking the source of illicit discharges using visual inspections. The permittee may also include use of mobile cameras, collecting and analyzing water samples, and/or other detailed procedures that may be effective investigative tools. ☒ Yes ☐ No
- c. Training of all field staff, in accordance with the requirements of the Permit (Part III.D.6.g.(2)), in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. ☒ Yes ☐ No
- d. Identification of priority areas likely to have illicit discharges, including at a minimum, evaluating land use associated with business/industrial activities, areas where illicit discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge. ☐ Yes ☒ No
- e. Procedures for the timely response to known, suspected, and reported illicit discharges. ☐ Yes ☒ No
- f. Procedures for investigating, locating, and eliminating the source of illicit discharges. ☐ Yes ☒ No
- g. Procedures for responding to spills, including emergency response procedures to prevent spills from entering the small MS4. The procedures shall also include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. § 115.061. ☒ Yes ☐ No
- h. When the source of the illicit discharge is found, the permittee shall use the ERPs required by the Permit (Part III.B.) to eliminate the illicit discharge and require any needed corrective action(s). ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

The training program for all City staff will be updated, if necessary, regarding IDDE, and staff is currently directed to inspect for illicit discharges during all normal work activities. High potential areas for IDDE will be identified and added to the City's Storm Sewer Map. Procedures for response, investigating, locating, and eliminating illicit discharges will be developed. All required tasks will be completed within 12 months of permit coverage being extended.

3. List the categories of BMPs that address your illicit discharge, detection and elimination program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Regulatory Control Program	Review and revise ordinance to ensure that it continues to meet the needs of the City and legal requirements. - annually
Illicit Discharge Detection and Elimination Plan	Public Works personnel inspect for illicit discharges and connections while performing all duties. Site specific inspections are also performed when reports are received from the general public. All discharges are documented and handled per City code. – continuously
Illicit Septic System Discharge and Elimination Plan	Designated staff inspects existing septic systems and reviews plans and inspects construction of new septic systems. Staff also sends notices to system owners regarding maintenance. Pumping companies must submit pumping records to City. – continuously
Public and Employee IDDE Information Program	Provide education to City staff, businesses, and the public regarding IDDE through the "Let's Keep It Clean" campaign, Stormwater articles in the City newsletter, Presentation to City

	Council, Stormwater Information webpage, and a Public Works Training Program
Storm System Map	Maintain map and update with changes to City's storm sewer, structural BMPs, ponds, and outfalls. – annually
Training	Provide training for City staff. – annually
BMP categories to be implemented	Measurable goals and timeframes
Inspections	Public Works personnel will perform monthly inspections of high-priority outfalls, and around high potential land uses (fast food restaurants, dumpsters, car washes, mechanics, and oil changers). Information from previous inspections will be used to determine further high potential outfalls. Inspections will be performed in dry-weather as much as possible. - monthly
Storm System Map	Add high-priority outfalls and high potential land uses for illicit discharge inspection to the City's storm system map. – within 12 months of permit coverage being extended
Training	Update training program for all City staff regarding IDDE, if necessary, due to new permit requirements and MCWD rules. – within 12 months of permit coverage being extended

4. Do you have procedures for record-keeping within your Illicit Discharge Detection and Elimination (IDDE) program as specified within the Permit (Part III.D.3.h.)? ☒ Yes ☐ No

If you answered **no**, indicate how you will develop procedures for record-keeping of your Illicit Discharge, Detection and Elimination Program, within 12 months of the date permit coverage is extended:

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Jesse Struve - Director of Public Works/City Engineer

D. MCM 4: Construction site stormwater runoff control

1. The Permit (Part III.D.4) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a construction site stormwater runoff control program. Describe your current program:

The City's ordinances requires a permit application for any land disturbing activity that results in: 1) a land disturbance greater than or equal to one acre, 2) grading, excavation, or fill greater than or equal to 10 cy in the shore setback zone, or 3) grading, excavation, or fill greater than or equal to 25 cy. Review of construction site stormwater pollution prevention plans are performed prior to any land disturbance and appropriate selection and use of BMPs are coordinated with Owners and Contractors. The City also relies on the Minnehaha Creek Watershed District (MCWD) for review and directs all applicants to work with MCWD for district approvals. A copy of MCWD approval for any required permitting must be submitted to the City prior to any land disturbance. In addition to review, the City relies on MCWD for inspections of construction sites and enforcement of erosion and sediment control violations.

2. Does your program address the following BMPs for construction stormwater erosion and sediment control as required in the Permit (Part III.D.4.b.):
- Have you established written procedures for site plan reviews that you conduct prior to the start of construction activity? ☒ Yes ☐ No
 - Does the site plan review procedure include notification to owners and operators proposing construction activity that they need to apply for and obtain coverage under the MPCA's general permit to *Discharge Stormwater Associated with Construction Activity No. MN R100001*? ☒ Yes ☐ No
 - Does your program include written procedures for receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public to the permittee? ☒ Yes ☐ No
 - Have you included written procedures for the following aspects of site inspections to determine compliance with your regulatory mechanism(s):
 - Does your program include procedures for identifying priority sites for inspection? ☒ Yes ☐ No
 - Does your program identify a frequency at which you will conduct construction site inspections? ☒ Yes ☐ No
 - Does your program identify the names of individual(s) or position titles of those responsible for conducting construction site inspections? ☒ Yes ☐ No

- 4) Does your program include a checklist or other written means to document construction site inspections when determining compliance? ☒ Yes ☐ No
- e. Does your program document and retain construction project name, location, total acreage to be disturbed, and owner/operator information? ☒ Yes ☐ No
- f. Does your program document stormwater-related comments and/or supporting information used to determine project approval or denial? ☒ Yes ☐ No
- g. Does your program retain construction site inspection checklists or other written materials used to document site inspections? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

3. List the categories of BMPs that address your construction site stormwater runoff control program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Ordinance and other Regulatory Program	Rely on City code and MCWD regulatory requirements for plan review and approvals. Rely on MCWD for inspection of construction sites and enforcement of erosion and sediment control violations. – continuously
BMP categories to be implemented	Measurable goals and timeframes

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Jesse Struve - Director of Public Works/City Engineer

E. MCM 5: Post-construction stormwater management

1. The Permit (Part III.D.5.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a post-construction stormwater management program. Describe your current program:

Orono relies on Minnehaha Creek Watershed District (MCWD) for regulatory requirements regarding post-construction stormwater management. Applicants to the City for building, land disturbance, subdivision, and/or site plan review permits are directed to work with MCWD for district approvals. A copy of MCWD approvals and maintenance agreements for any required stormwater management facilities must be submitted to the City prior to any land disturbance. The City also reviews stormwater management plans to ensure any structural facilities fit City needs and vision.

2. Have you established written procedures for site plan reviews that you will conduct prior to the start of construction activity? ☒ Yes ☐ No
3. Answer **yes** or **no** to indicate whether you have the following listed procedures for documentation of post-construction stormwater management according to the specifications of Permit (Part III.D.5.c.):
- a. Any supporting documentation that you use to determine compliance with the Permit (Part III.D.5.a), including the project name, location, owner and operator of the construction activity, any checklists used for conducting site plan reviews, and any calculations used to determine ☒ Yes ☐ No

compliance?

- b. All supporting documentation associated with mitigation projects that you authorize? ☒ Yes ☐ No
- c. Payments received and used in accordance with Permit (Part III.D.5.a.(4)(f))? ☒ Yes ☐ No
- d. All legal mechanisms drafted in accordance with the Permit (Part III.D.5.a.(5)), including date(s) of the agreement(s) and names of all responsible parties involved? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the steps that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

4. List the categories of BMPs that address your post-construction stormwater management program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Regulatory Program	Rely on MCWD to review and approve post-construction stormwater management plans for required projects. Review stormwater management plans regarding City needs and vision. – continuously
Long Term Operation and Maintenance	Operate and maintain publicly owned stormwater management facilities in accordance with permit requirements. Rely on MCWD for Maintenance Agreements requiring property owners/Homeowners Associations to maintain structural facilities. Inspect all facilities in the next five years. – continuously

BMP categories to be implemented	Measurable goals and timeframes

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Jesse Struve - Director of Public Works/City Engineer

F. MCM 6: Pollution prevention/good housekeeping for municipal operations

1. The Permit (Part III.D.6.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement an operations and maintenance program that prevents or reduces the discharge of pollutants from the permittee owned/operated facilities and operations to the small MS4. Describe your current program:

Orono inspects its structural pollution control devices on an annual basis and inspects all ponds and outfalls at least once every five years. Public Works personnel inspect City stockpiles and storage and material handling areas for potential discharges and maintain publically owned BMPs. City streets are swept annually in the spring to remove leaf litter and residuals from salting streets during winter.

2. Do you have a facilities inventory as outlined in the Permit (Part III.D.6.a.)? ☐ Yes ☒ No

3. If you answered **no** to the above permit requirement in question 2, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

A Facility Inventory will be developed in accordance with permit requirements within 12 months of permit coverage being extended.

4. List the categories of BMPs that address your pollution prevention/good housekeeping for municipal operations program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. For an explanation of measurable goals, refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Public Works Training Program	Provide training for Public Works personnel regarding fleet and building maintenance, park and open space maintenance, storm water system maintenance, and construction and land disturbance inspection. – annually
City Vehicle Maintenance Program	Provide training for City staff regarding vehicle operation and maintenance. Operate vehicle maintenance program, which requires inspections and corrective actions. – continuously
Storm Drain System Cleaning	Vacuum storm drain sumps and other stormwater pollution control devices and remove debris from storm sewer lines and culverts. – annually
Parking Lot and Street Sweeping	Sweep streets to remove sediment and debris from paved surfaces and minimize amount of material received by storm drainage system. – biannually
Sanitary Sewer System Operation and Maintenance	Vacuum sanitary lift stations, manholes, and lines as necessary to negate the probability of sanitary sewer overflows and illicit discharges. Televiser sanitary lines and repair as necessary to reduce infiltration and inflow. Train and license required Public Works personnel on sanitary system operation. – annually
Municipal Golf Course Training	Train Municipal Golf Course personnel on proper pesticide and fertilizer application. Responsible personnel are duly licensed to complete these activities. – annually
Inspection	Inspect all stormwater pollution control devices annually. Inspect all outfalls and ponds once every five years. Inspect all exposed stockpiles, storage, and material handling areas after all rain events of 1" or greater.
BMP categories to be implemented	Measurable goals and timeframes
Facility Inventory	Develop a Facility inventory of City-owned properties and buildings. – complete within 12 months of permit coverage extension and update annually
Pond Assessment Procedures	Develop procedures for determining TSS and TP treatment effectiveness of City-owned ponds used for stormwater treatment. – complete procedure development within 12 months of permit coverage extension and implement assessment of all ponds within the next five years.
Inspection	Utilize a checklist that documents findings and allows staff to compare to previous inspections. – continuously
SWPPP Update	Update SWPPP to include Enforcement Response Procedures (ERPs), IDDE High Potential Map, Facility Inventory, BMP Effectiveness Assessment Procedures, and any other revisions necessary to meet requirements of new permit. – complete within 12 months of permit coverage extension

5. Does discharge from your MS4 affect a Source Water Protection Area (Permit Part III.D.6.c.)? ☒ Yes ☐ No

- a. If **no**, continue to 6.
- b. If **yes**, the Minnesota Department of Health (MDH) is in the process of mapping the following items. Maps are available at <http://www.health.state.mn.us/divs/eh/water/swp/maps/index.htm>. Is a map including the following items available for your MS4:
- 1) Wells and source waters for drinking water supply management areas identified as vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330? ☒ Yes ☐ No
 - 2) Source water protection areas for surface intakes identified in the source water assessments conducted by or for the Minnesota Department of Health under the federal Safe Drinking Water Act, U.S.C. §§ 300j – 13? ☒ Yes ☐ No
- c. Have you developed and implemented BMPs to protect any of the above drinking water sources? ☒ Yes ☐ No
6. Have you developed procedures and a schedule for the purpose of determining the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for the collection and treatment of stormwater, according to the Permit (Part III.D.6.d.)? ☐ Yes ☒ No
7. Do you have inspection procedures that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds and outfalls, and stockpile, storage and material handling areas? ☒ Yes ☐ No
8. Have you developed and implemented a stormwater management training program commensurate with each employee's job duties that:
- a. Addresses the importance of protecting water quality? ☒ Yes ☐ No
 - b. Covers the requirements of the permit relevant to the duties of the employee? ☒ Yes ☐ No
 - c. Includes a schedule that establishes initial training for new and/or seasonal employees and recurring training intervals for existing employees to address changes in procedures, practices, techniques, or requirements? ☒ Yes ☐ No
9. Do you keep documentation of inspections, maintenance, and training as required by the Permit (Part III.D.6.h.(1)-(5))? ☒ Yes ☐ No
- If you answered **no** to any of the above permit requirements listed in **Questions 5 – 9**, then describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:
- Within 12 months of permit coverage being extended, Orono will develop procedures for determining TSS and TP removal effectiveness of stormwater treatment ponds and a schedule for implementation.*
10. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:
- Jesse Struve - Director of Public Works/City Engineer*

VI. Compliance Schedule for an Approved Total Maximum Daily Load (TMDL) with an Applicable Waste Load Allocation (WLA) (Part II.D.6.)

- A. Do you have an approved TMDL with a Waste Load Allocation (WLA) prior to the effective date of the Permit? ☐ Yes ☒ No
1. If **no**, continue to section VII.
 2. If **yes**, fill out and attach the MS4 Permit TMDL Attachment Spreadsheet with the following naming convention: *MS4NameHere_TMDL*.
- This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VII. Alum or Ferric Chloride Phosphorus Treatment Systems (Part II.D.7.)

- A. Do you own and/or operate any Alum or Ferric Chloride Phosphorus Treatment Systems which are regulated by this Permit (Part III.F.)? ☐ Yes ☒ No
1. If **no**, this section requires no further information.
 2. If **yes**, you own and/or operate an Alum or Ferric Chloride Phosphorus Treatment System within your small MS4, then you must submit the Alum or Ferric Chloride Phosphorus Treatment Systems Form supplement to this document, with the following naming convention: *MS4NameHere_TreatmentSystem*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VIII. Add any Additional Comments to Describe Your Program



MS4 Pond, Wetland, and Lake Inventory Form

Municipal Separate Storm Sewer System (MS4) Program

Doc Type: Plans/Specifications/Maps

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Orono	10/30/2013	OLL-P52	Storm Pond		172116.639965	450550.548850
		OFL-P15	Storm Pond		160915.332971	433172.446795
		OFR-P9.1	Storm Pond		166895.550341	445990.518272
		OFR-P9	Storm Pond		167034.304329	445664.496286
		OLL-P2	Storm Pond		174519.733912	447752.694865
		OSB-P2	Storm Pond		171736.812969	436209.397086
		OPC-P9	Storm Pond		175511.645970	445293.359233
		OLL-P30	Storm Pond		175017.488822	449059.021977
		OPC-P9.1	Storm Pond		174989.670636	445209.325608
		OPC-P10	Storm Pond		174934.544106	445641.942197
		OLL-P1	Storm Pond		172474.886296	447228.341583
		OLC-P7	Storm Pond		171723.250988	439939.910294
		OLL-P0	Storm Pond		171120.610461	447153.408334
		OSB-P11	Storm Pond		170172.317082	438881.238855
		OTL-P2	Storm Pond		169752.386819	448145.541849
		OLC-P11	Storm Pond		169514.814132	443140.392738
		OFR-P2	Storm Pond		169158.160974	446181.197352
		OFR-P9.2	Storm Pond		166651.985868	446140.940543
		OLC-P25	Storm Pond		166158.142696	442790.367848
		OFR-P31	Storm Pond		160012.579527	448439.377219
		OFR-P30.1	Storm Pond		159789.236470	449004.302270
		OFR-P30	Storm Pond		159417.550534	448964.449988
		OLF-P2	Storm Pond		152775.880090	441872.725654
		OCB-P1	Storm Pond		152722.521929	438913.946467
		CB-P6	Storm Pond		149965.833873	438701.051551

